I. GENERAL

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC SIGNAL AT THE INTERSECTION OF MD 117 AND MATENY ROAD IN MONTGOMERY COUNTY. MD 117 IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION.

II. INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA FOUR-PHASE, SEMI-TRAFFIC-ACTUATED MODE. MD 117 THROUGH MOVEMENTS WILL OPERATE CONCURRENTLY AND MATENY ROAD THROUGH MOVEMENTS WILL RUN CONCURRENTLY. THERE IS AN ALTERNATE PEDESTRIAN PHASE FOR THE EAST LEG OF THE INTERSECTION.

EQUIPMENT LIST FOR CONTRACT NO. XY2385185

A. EQUIPMENT TO BE FURNISHED BY STATE HIGHWAY ADMINISTRATION

CATEGORY

UNIT DESCRIPTION CODE QUANTITY SF 900000 SHEET ALUMINUM MAST ARM/POLE MOUNTED SIGN R10-3(I) (9"x 15") POLE MOUNTED EΑ VIDEO DETECTION INTERFACE EQUIPMENT: I-8 CAMERAS 900000 EΑ

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR

CATEGORY
ITEM

ITEM	QUANTITY	UNIT	DESCRIPTION
100000	1	EΑ	MAINTENANCE OF TRAFFIC (PER INTERSECTION)
201032	2	CY	CLASS 2 EXCAVATION
203030	1	CY	TEST PIT EXCAVATION
585621	135	LF	12 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585625	55	LF	24 INCH WHITE PREFORMED THERMOPLASTIC PAVEMENT MARKING LINES
585700	255	LF	REMOVAL OF EXISTING PAVEMENT MARKING LINES, ANY WIDTH
600000	177	LF	TYPE A COMBINATION CURB AND GUTTER ANY HEIGHT OR DEPTH
600000	93	LF	TYPE A CURB ANY HEIGHT OR DEPTH
655105	959	SF	5 INCH CONCRETE SIDEWALK
655120	64	SF	DETECTABLE WARNING SURFACE FOR CURB RAMPS
704435	25	SY	PLACING FURNISHED TOPSOIL 4" DEPTH
705500	25	SY	TURFGRASS ESTABLISHMENT
800000	. 1	EA	2-WIRE APS CENTRAL CONTROL UNIT
800000	2	EA	AUDIBLE/TACTILE PEDESTRIAN PUSHBUTTON STATION AND SIGNS
000008	2	EA	IP-BASED VIDEO DETECTION CAMERA & ANY LENGTH LEAD-IN CABLE
800000	2	EA	16 INCH LED COUNTDOWN PEDESTRIAN SIGNAL HEAD
800000	2	EA	5 FOOT OR 10 FOOT PEDESTAL POLE WITH BREAKAWAY COUPLINGS, FOUNDATION & GROUND ROD
800000	2	SF	INSTALL OVERHEAD OR GROUND MOUNTED SIGN (INCLUDING ALL HARDWARE)
800000	1	EA	REMOVE & DISPOSE OF EXISTING SIGNAL EQUIPMENT (RER SIGNALIZED INTERSECTION LOCATION)
800000	50	LF	UP TO 4 INCH SCHEDULE 80 RIGID PVC CONDUIT-TRENCHED
800000	1	EA	THIRD PARTY CONCRETE TESTING (PER INTERSECTION)
802501	50	LF	NO. 6 AWG STRANDED BARE COPPER GROUND WIRE
861105	265	LF	ELECTRICAL CABLE - 2 CONDUCTOR (NO. 14 AWG)

ELECTRICAL CABLE - 5 CONDUCTOR (NO. 14 AWG).

C. EQUIPMENT TO BE REMOVED.

280

ALL EXISTING SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL.

CONTACTS

Ms. Anyesha Mookherjee Assistant District Engineer - Traffic Phone: (301) 513-7358

Mr. Tom Fountain Assistant District Engineer – Maintenance Phone: (301) 513-7304

Mr. Victor Grafton Utility Engineer Phone: (301) 513-7350

Mrs. Corren Johnson Chief, Traffic Operations Division Phone: (410) 787-7630

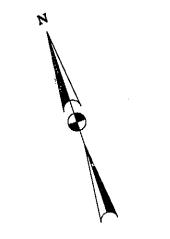
Mr. Edward Rodenhizer Manager, Signal Operations Phone: (410) 787-7650

Mr. Sonny Bailey Manager, Sign Operations Phone: (410) 787-7676

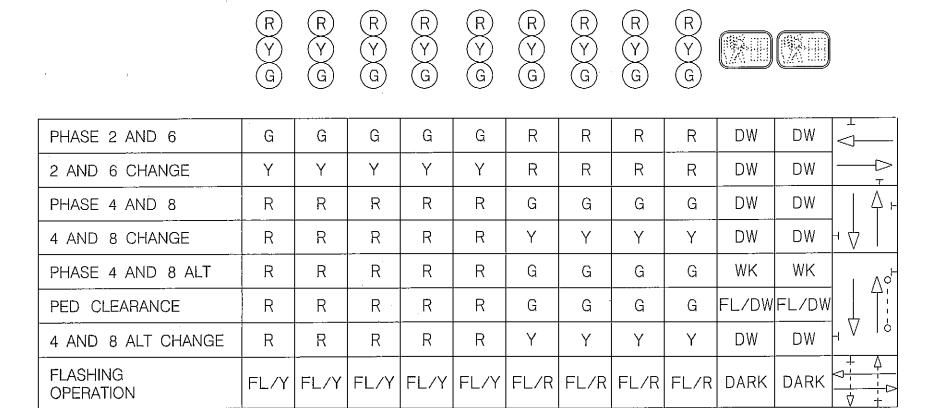
Mr. Mike Stocker OOTS, Signal Warehouse Phone: (410) 787-7696

Mr. Kamal Hamud Team Leader, Traffic Signals Montgomery County DOT Division of Traffic Engineering and Operations Phone: (240) 777-8761

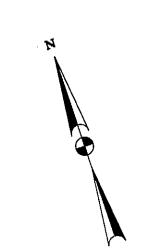
Mr. Bob Ricketts Supervisor, Montgomery Technical Center Montgomery County DOT Division of Traffic Engineering and Operations Phone: (240) 876-3681



MD 117 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION



PHASE CHART



MD 117 IS ASSUMED TO RUN IN AN EAST/WEST DIRECTION

TO WARING STATION ROAD A A PEPCO # 724481-3899

EXISTING INTERCONNECT

WIRING KEY

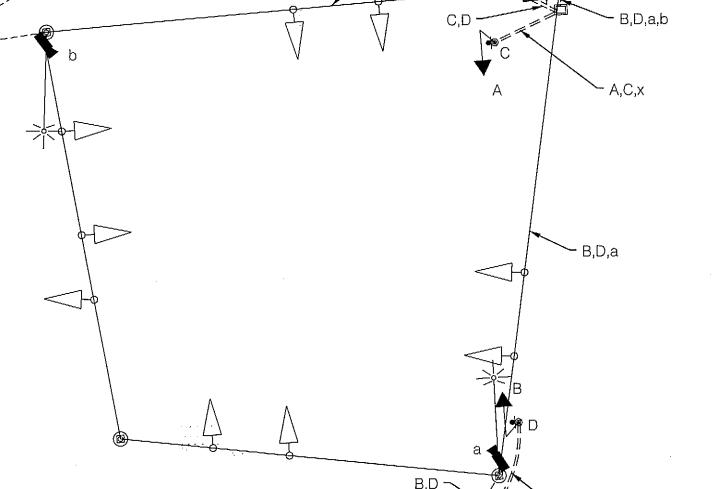
A,B } 5 CONDUCTOR ELECTRICAL CABLE (NO. 14 AWG)

EXISTING INTERCONNECT TO MD 119 (GREAT SENECA HWY)

C,D } 2 CONDUCTOR ELECTRICAL CABLE

J (NO. 14 AWG)

- a,b } VIDEO CAMERA CABLE
- STRANDED BARE COPPER GROUND WIRE x } (NO. 6 AWG)



STATE OF MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION OFFICE OF TRAFFIC & SAFETY TRAFFIC ENGINEERING DESIGN DIVISION MD 117 (CLOPPER ROAD) AND MATENY ROAD GERMANTOWN, MD

GENERAL INFORMATION PLAN SHEET

SCALE NONE ADVERTISED DATE 08/2013 CONTRACT NO. XY2385185 MONGOMERY COUNTY_ LOGMILE 15011708.55 TIMS NO. _____ TOD NO. SHEET NO, 3 OF 3 DRAWING SG-3 OF 3 S NO. 1764B-GI

9240 Rumsey Road; Suite C Columbia, Maryland 21045 Phone 410-884-3607 www.brudls.com PLOTTED: Wednesday, August 21, 2013 AT 04:00 PM FILE: P:\09-002 TEDD\Task 135 MD 117 Signals\Drawings\CADD\Working\5_MD117@Mateny Rd\pSG-P003_M117@Mateny.dgn

BRUDIS & ASSOCIATES, INC

Consulting Engineers



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